

## JetNet 2005

### Industrial 5-port Compact Fast Ethernet Switch



- 5-port 10/100 TX Compact Fast Ethernet switch
- 3.2Gbps Switch Fabric with excellent data exchange performance
- Support 1.5KV Hi-Pot isolation protection
- Dual mode for power input, AC18-27V/DC18-32V
- Fault relay alarm
- Aluminum case with IP-31 grade protection
- -20~70°C operating temperature for hazardous environment application

#### Overview

Korenix JetNet 2005 is an Industrial 5-port 10/100Base-TX Ethernet switch. JetNet 2005 adopts slim industrial design to save rail space for compact system. In order to survive under harsh environment, JetNet 2005 chooses industrial-grade aluminum case

with IP31 grade protection ability with dust and drop-water proof. JetNet 2005 provides one relay output for port link down events, which is enabled/ disabled by the DIP switch. JetNet 2005 is powered by 18~27VAC or 18~32VDC from a 4-pin terminal block.

#### Plug-and-Play Switch & High-Speed Transmission

JetNet 2000 series require no user setup and immediately start operating as soon as you power them up.

Excellent data transmission performance is provided for you. No works will be delayed with the transmission rate up to 3.2Gbps.

#### Compact Size & Fault Relay Output

The slim-line design makes it an ideal model that would physically fit in a network environment with limited space.

One relay output is an important feature to let you

know when there is any event of port link down. Just move up the DIP switch, the fault relay alarm will be functioning!

## Dual Mode for Power Input & True Reliability for the Best Support

AC 18V~27V or DC 18V~32V is available for different operating environment.  
With the 1.5KV Hi-Pot isolation protection, CE/FCC

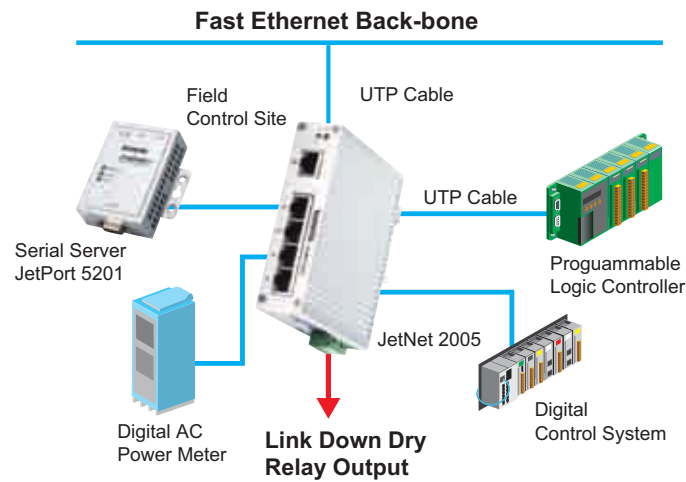
regulatory approvals, and 5-year global warranty, JetNet 2000 series are your reliable choice for hazardous applications.

## Easy Installation & Brilliant Idea for Hazardous Environment Application

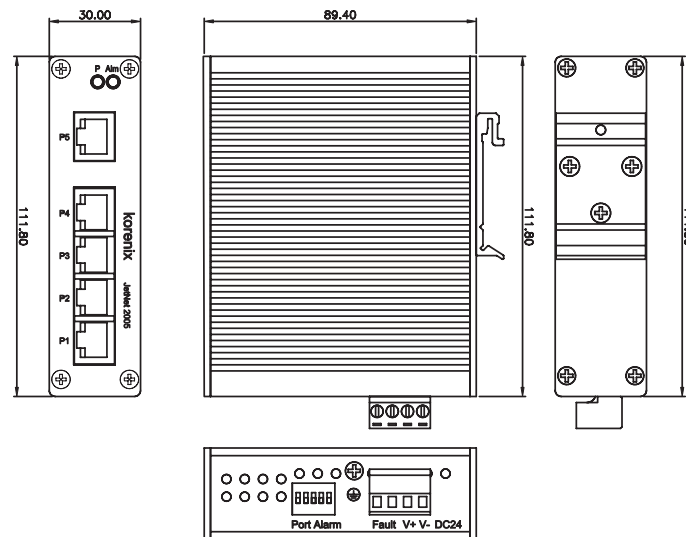
JetNet 2000 series can be easily wall mounted and be mounted directly on DIN rail.  
The award winning IP31 rigid aluminum flat casing and wide operation temperature range ensure

reliable operation for harsh environment. Extended operating temperature range is available for project-based request.

## Application



## Dimensions (Unit –mm)



## Specification

### Technology

**Standard:**

IEEE802.3 10Base-T  
IEEE802.3u 100Base-TX  
IEEE802.3x flow control

**Switch Technology:**

Store and forward technology and with 3.2Gbps switch fabric

**Aggregate System Throughput:** 1.49Mpps

### Interface

**Number of Ports:**

5 x 10/100 Base-TX with Auto MDI/MDI-X, Auto-Negotiation function

**Connectors:**

10/100 Base-TX: RJ-45  
Power/Relay: 4-pin terminal block

**Cables:**

CAT-3, CAT-4, CAT-5 unshielded twisted pair or shielded twisted pair cable. The Link distance is 100 meters in maximum

**Diagnostic LED:**

System: Power (green), Fault (red on)  
RJ-45 port: 100Mbps Link (green on)/Activity(green blinking)  
10Mbps Link (yellow on)/Activity(yellow blinking)

### Power Requirements

**System Power:**

2 pins terminal block for power input.  
DC 12~48V with reverse polarity protection.  
AC 18~36V, 47~63Hz

**Power Consumption:** 3.0 Watts @ DC 24V

### Mechanical

**Installation:** DIN-Rail mount or Wall Mount

**Case:** Aluminum case with IP-31 protection

**Dimension:**

111.8mm(H) x 30mm (W) x 98.2mm (D) ( with DIN rail clip)  
111.8mm(H) x 30mm (W) x 89mm (D) ( without DIN rail clip)

**Weight:**

372g with package  
290g without package

### Environmental

**Operating Temperature:** -20 ~70°C

**Operating Humidity:** 0% ~ 95%, (non-condensing)

**Storage Temperature:** -40 ~ 85 °C

**Hi-Pot:** 1.5KV for all ports and power

### Regulatory Approvals

**EMI:** FCC Class A, CE/EN55022.

**EMS:**

EN61000-4-2  
EN61000-4-3  
EN61000-4-4  
EN61000-4-5  
EN61000-4-6  
EN61000-4-8  
EN61000-4-11

**Safety:** CE/EN60950

**Shock:** IEC60068-2-27

**Vibration:** IEC60068-2-6

**Free Fall:** IEC60068-2-32

**MTBF:** 818,646 Hours, MIL-HDBK-217F GB standard

**Warranty:** 5 years

## Ordering Information

### JetNet 2005 Industrial 5-port Compact Fast Ethernet Switch

Includes:

- JetNet 2005
- Quick Installation Guide